

C8
cont

glycine-119, aspartic acid-120, phenylalanine-141, phenylalanine-142, and leucine-147, it is likely that an noticeable effect on biological activity will be observed. These identical amino acid residues are, of course, present in the corresponding positions of TNF-gamma-beta shown in SEQ ID NO:20.

In the claims:

Please cancel claims 49, 50, 57, 58, 60, 61, 67 68, 70, 71, 78, 79, 81, 82, 90 and 91 without prejudice.

Please replace claims 42, 51, 55, 65, 75, and 89 with the following amended claims.

~~42. (Once Amended) An isolated polypeptide comprising an amino acid sequence selected from the group consisting of:~~

- ~~(a) amino acid residue -27 to amino acid residue +147 as set forth in SEQ ID NO:2;~~
- ~~(b) amino acid residue -26 to amino acid residue +147 as set forth in SEQ ID NO:2;~~
- ~~(c) amino acid residue +1 to amino acid residue +147 as set forth in SEQ ID NO:2;~~
- ~~(d) a fragment of the polypeptide of SEQ ID NO:2, wherein the fragment specifically binds an antibody that specifically binds the polypeptide of SEQ ID NO:2;~~
- ~~(e) a full-length polypeptide having the amino acid sequence expressed by the cDNA plasmid contained in ATCC Deposit No. 75927;~~
- ~~(f) a full-length polypeptide, excluding the N-terminal methionine residue, having the amino acid sequence expressed by the cDNA plasmid contained in ATCC Deposit No. 75927;~~
- ~~(g) a mature polypeptide having the amino acid sequence expressed by the cDNA plasmid contained in ATCC Deposit No. 75927; and~~
- ~~(h) a fragment of the polypeptide having the amino acid sequence expressed by the cDNA plasmid contained in ATCC Deposit No. 75927, wherein the fragment specifically binds an antibody that specifically binds the polypeptide of SEQ ID NO:2.~~

C9

C10

51. (Once Amended) The isolated polypeptide of claim 42 wherein said fragment binds an antibody specific for TNF-gamma-alpha.

Sub E5

55. (Twice Amended) An isolated polypeptide encoded by a nucleic acid molecule comprising a polynucleotide sequence selected from the group consisting of:

(a) a polynucleotide sequence of at least 30 contiguous nucleotides of nucleotides 783 to 1304 of SEQ ID NO:1;

(b) a polynucleotide sequence of at least 30 contiguous nucleotides of the open reading frame encoded by the cDNA plasmid contained in ATCC Deposit No. 75927;

wherein said polypeptide specifically binds an antibody that specifically binds the polypeptide of SEQ ID NO:2.

C11

65. (New) An isolated polypeptide comprising an amino acid sequence selected from the group consisting of:

(a) an amino acid sequence comprising at least 30 contiguous amino acid residues of SEQ ID NO:2; and

(b) an amino acid sequence comprising at least 30 contiguous amino acid residues encoded by the cDNA plasmid contained in ATCC Deposit No. 75927;
wherein said polypeptide specifically binds an antibody that specifically binds the polypeptide of SEQ ID NO:2.

C12

Sub E3

75. (Twice Amended) An isolated polypeptide comprising a first amino acid sequence 90% or more identical to a second amino acid sequence selected from the group consisting of:

(a) a second amino acid sequence comprising amino acid residues -27 to 147 of SEQ ID NO:2;

(b) a second amino acid sequence comprising amino acid residues -26 to 147 of SEQ ID NO:2; and

(c) a second amino acid sequence comprising amino acid residues 1 to 147 of SEQ ID NO:2;

wherein said polypeptide specifically binds an antibody that specifically binds the polypeptide of SEQ ID NO:2.

C13

sub E18

C14

89. (Twice Amended) An isolated polypeptide encoded by a nucleic acid molecule comprising a polynucleotide which hybridizes to the complement of the polynucleotide set forth in nucleotides 783 to 1304 of SEQ ID NO:1 wherein said hybridization occurs under conditions comprising hybridization in a buffer consisting of 50% formamide, 5x SSC, 50 mM sodium phosphate (pH 7.6), 5x Denhardt's solution, 10% dextran sulfate, and 20 µg/ml denatured, sheared salmon sperm DNA at 42°C and wash in a solution consisting of 0.1x SSC at 65°C, wherein said polypeptide specifically binds an antibody that specifically binds the polypeptide of SEQ ID NO:2.

In the Drawings:

Please replace the informal drawings of Figures 1A-C, 2A-C, 3A-B, 5, 6, 7Aa-d-7Ba-c, 8A-D, 9A-C, 11A-C, 12, 13, 16A-B, 17,18A-D, 19, 20A-B submitted with the original filing and replacement informal drawings of Figures 4, 10, 14, and 15 filed January 16, 2001 with the Formal Drawings of Figures 1A-C, 2A-C, 3A-B, 4, 5, 6, 7Aa-d-7Ba-c, 8A-D, 9A-C, 10, 11A-C, 12, 13, 14, 15, 16A-B, 17,18A-D, 19, 20A-B submitted herewith.

In the Sequence Listing:

Please replace the Substitute Sequence Listing filed October 29, 1999 with the Substitute Sequence Listing Filed herewith.